Assoc. Prof. Pərvanə Axundova

Personal Information

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Publons / Web Of Science ResearcherID: AGI-6154-2022
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Biography

1978-ci ildə Gəncə şəhərində anadan olub.

1985-ci ildə Gəncə şəhər Mircəlal Paşayev adına 39 saylı orta məktəbə daxil olub, 1995-ci ildə 31 saylı orta məktəbin XI sinfini bitirib. H.Zərdabi adına Gəncə Dövlət Pedaqoji İnstitutunun riyaziyyat-informatika fakültəsinə qəbul olunub, 1999-cu ildə Bakı Dövlət Universitetinin Mexanika-riyaziyyat fakültəni bitirmişdir. 2003-2005-ci illərdə Azərbaycan Dövlət İqtisad Universitetinin MBA proqramı üzrə iqtisadiyyat istiqamətinin maliyyə ixtisaslaşması üzrə magistr pilləsini fərqlənmə diplomu ilə bitirmişdir.

1999-2003-cü illərdə Bakı Yeyinti Sənayesi Texnikumunda müəllim işləyib.

2003-cü ildən Azərbaycan Dövlət İqtisad Universitetinin "Riyaziyyat" kafedrasında laborantı, 2007-ci ildən müəllim vəzifəsində çalışır.

2020-ci ildən Azərbaycan Dövlət İqtisad Universitetinin "Riyaziyyat və statistika" kafedrasının dosentidir.

Ailəlidir, iki qızı var.

2008-ci ildə AMEA-nın Riyaziyyat İnstitutunda "Çubuqlarla möhkəmləndirilmiş mühitlə dinamik təmasda olan silindrik örtüyün parametrlərinin optimallaşdırılması" mövzusunda namizədlik dissertasiyasını müdafiə edərək fizika-riyaziyyat elmləri namizədi elmi adını almışdır.

She was born in 1978 in the city of Ganja.

In 1985, he entered secondary school No.39 named after Mircelal Pashaev, in Ganja city, and graduated from the XI grade of secondary school No. 31 in 1995. In the same year, she was admitted to the Faculty of Mathematics and Informatics of Ganja State Pedagogical Institute named after H.Zardabi, and in 1999 she graduated from the Faculty of Mechanics and Mathematics of Baku State University. In 2003-2005, she the MBA program at the Azerbaijan State University of Economics, obtaining a master's degree in economics with a specialization in finance with honors.

In 1999-2003, she worked as a teacher at Baku Food Industry Technical College.

Since 2003, she has been working as a laboratory assistant at the "Mathematics" department of Azerbaijan State University of Economics, since 2007 as a teacher.

Since 2020, she has been an associate professor of the "Mathematics and Statistics" department at the Azerbaijan State

University of Economics.

She is married and has two daughters.

In 2008, at the Institute of Mathematics of ANAS, she defended her thesis on "Optimization of the parameters of the cylindrical coating in dynamic contact with the rod-reinforced medium" and received the title of Candidate of Physical and Mathematical Sciences.

Education Information

Doctorate, Azerbaycan Teknik Üniversitesi, Faculty of Mechanical Engineering and Robotics, Mechanics, Azerbaijan 2017 - Continues

Foreign Languages

Russian, B2 Upper Intermediate

Certificates, Courses and Trainings

IT, Digital Skills, Azerbaijan State University of Economics (UNEC), 2023
Other, Ayrık Matematik Eğetimi, Hacettepe Universitesi, 2022
Vocational Training, Soft Skils, UNEC, 2022

Dissertations

Doctorate, Inverse problems of contact dispersion mechanics, Azerbaycan Teknik Üniversitesi, Faculty of Mechanical Engineering and Robotics, Mechanics, 2017
Doctorate, Çubuqlarla möhkəmləndirilmiş mühitlə dinamik təmasda olan silindrik örtüyün parametrlərinin optimallaşdırılması, AMEA–nın , Riyaziyyat İnstitutu, Mexanika, 2009

Research Areas

Education in Natural Sciences, Education in Mathematics, Mechanical Engineering, Mathematics, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Azerbaijan State University of Economics (UNEC), İqtisadiyyat Və İdarəetmə Fakültəsi, Riyaziyyat Və Statistika Kafedrası, 2007 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Effect of Wear on the Partial Closure of a Variable Width Slit in a Hub of a Friction Pair**
    Mirsalimov V. M., Akhundova P.
    JOURNAL OF FRICTION AND WEAR, vol.42, no.4, pp.309-315, 2021 (SCI-Expanded)
II. **Optimum problem on wear decrease for a hub of friction pair**

Mirsalimov V. M., Akhundova P.

MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.27, no.5, pp.353-363, 2020 (SCI-Expanded)

III. **The Optimal Design of a Friction Unit with Uniform Contact Pressure**

Mirsalimov V. M., Akhundova P.

JOURNAL OF FRICTION AND WEAR, vol.40, no.6, pp.562-568, 2019 (SCI-Expanded)

IV. **Inverse problem of contact fracture mechanics for a hub of friction pair taking into account thermal stresses**

Mirsalimov V. M., Akhundova P.

MATHEMATICS AND MECHANICS OF SOLIDS, vol.24, no.6, pp.1763-1781, 2019 (SCI-Expanded)

V. **Minimization of the Thermal State of the Hub of a Frictional Pair Using the Criterion of Uniform Temperature Distribution on a Friction Surface**

Mirsalimov V. M., Akhundova P.

JOURNAL OF FRICTION AND WEAR, vol.39, no.5, pp.405-411, 2018 (SCI-Expanded)

VI. **Minimization of the thermal state of the hub of a friction pair**

Axundova P.

ENGINEERING OPTIMIZATION, vol.50, pp.651-670, 2018 (SCI-Expanded)

VII. **Minimization of Stress State of a Hub of Friction Pair**

Mirsalimov V. M., Akhundova P.

ADVANCES IN MATHEMATICAL PHYSICS, vol.2018, 2018 (SCI-Expanded)

VIII. **Optimal design of a frictional pair of a hub–plunger**

Axundova P.

JOURNAL OF FRICTION AND WEAR, vol.38, pp.384-389, 2017 (SCI-Expanded)

IX. **Minimization of abrasive wear for the internal surface of the hub of a friction pair**

Axundova P.

JOURNAL OF FRICTION AND WEAR, vol.37, pp.424-429, 2016 (SCI-Expanded)

X. **Minimization of contact pressure for hub–shaft friction pair**

Axundova P.

JOURNAL OF FRICTION AND WEAR, vol.36, pp.404-408, 2015 (SCI-Expanded)

Articles Published in Other Journals

I. **Inverse wear contact problem of the friction unit**

Axundova P.

Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering ScienceT, vol.232, pp.4216-4226, 2018 (Peer-Reviewed Journal)

II. **Inverse problems of damage mechanics for a hub of a friction pair**

Axundova P.

International Journal of Damage Mechanics, vol.27, pp.82-96, 2018 (Peer-Reviewed Journal)

Metrics

Publication: 12
Citation (Scopus): 15
H-Index (Scopus): 2

Congress and Symposium Activities

The 9th International Conference on Control and Optimization with Industrial Applications, Invited Speaker, İstanbul, Turkey, 2024

The XXXII International Scientific Symposium "Turk's Victory: from CHANAKKALE to KARABAKH"., Invited Speaker, Ankara, Turkey, 2024